MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE

DOMINION OF CANADA

MARCH 1933

TEMPERATURE

The month was six to eight degrees warmer than a normal March in southern Saskatchewan and the region of Hudson Strait. There was an excess of four to seven degrees in parts of the Mackenzie and Slave River valleys. In the Peace River district of northern Alberta there was a deficiency of four to six degrees as was also the case on the western portion of the Arctic coast.

In the Atlantic provinces and northward from the St. Lawrence River to James Bay there were local deficiencies of two to three degrees. In southern British Columbia, southwestern Alberta and the greater part of Ontario there was a small excess generally, although locally it reached three degrees. On the western shore of Hudson Bay there was an excess of two or three degrees.

The peculiar arrangement of the differences from normal temperature in western Canada is due to two cold waves which, though not of great intensity, moved down the Rocky Mountains for a portion of their travel instead of following the usual path during March. The usual path during this season of the year is southeastward across northern Manitoba to northern Ontario.

PRECIPITATION

In British Columbia the precipitation was moderately in excess of the normal amount except locally on southern Vancouver Island and in the upper Fraser Valley.

Over the western grain region the precipitation for March was for the most part normal or in excess. There was, however, a deficiency in southeastern Saskatchewan and in Manitoba. In northern and eastern Alberta and the northern and western parts of Saskatchewan twice or more the usual precipitation was recorded except in the Peace River district and the immediate vicinity of Calgary. In southeastern Saskatchewan and in Manitoba there was generally about half the usual amount.

Since last September the distribution of precipitation over the western grain belt has followed much the same pattern, all districts having normal or better precipitation except southeastern Saskatchewan and southwestern Manitoba. In Ontario and Quebec the precipitation was generally normal or slightly greater except to the east of Lake Superior and on the north shore of Lake Ontario. In the lower St. Lawrence and Gulf region there was a large excess.

In New Brunswick the precipitation was generally less than the normal amount, the deficiencies ranging from eight to sixty per cent. In the vicinity of Northumberland Straits, in Prince Edward Island and Nova Scotia there was an excess of fifteen to sixty-six per cent.

Sleet storms were prevalent during the month in the Atlantic provinces. They caused heavy damage to transmission lines along the southern shore of New Brunswick and in Westmorland County as well as along the southern shore of Nova Scotia, in Guysborough County. At the end of the month the St. John River levels were very low.

A. J CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month; Column Sg denotes depth of snow on ground in inches where given.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Atlin			0.3		16°	Victoria	55°	34°	1.9	148	44°	Trail	53°	16°	3.2		
Prince Rupert	59°	23°	6.8	57	38°	Vancouver	64°	28°	6.4	118	43°	Kaslo	50°	14°	3.0		35°
Estevan Point			11.3		42°	New Westminster	63°	29°	6.4			Cranbrook	49°	10°	0.0		
Goldstream Lake			7.8			White Rock	63°	29°	3.8			Nelson	49°	13°	2.9	103	
Shawnigan Lake	54°	26°	5.5			Chilliwack	61°	28°	6.4			Field	45°	0°	1.9		
Cameron Lake			2.3			Summerland	55°	18°	0.7	130		Glacier	45°	4°	5.0		
Sooke	56°	26°	4.5			Kamloops	57°	21°	0.4	156	39°	Golden	52°	-1°	2.0		
Alberni	60°	26°	8.2			Salmon Arm	55°	10°	2.4	116		Revelstoke	53°	8°	3.3		
Cowichan Bay	52°	29°	4 2			Vernon	54°	12°	1.7	138		Prince George	56°	-12°	1.4	143	27°
Nanaimo	54°	31°	4.4	131		Greenwood	53°	-2°	1.3								

ALBERTA

STATION	H	L	P	I	Tm	Sg.	STATION	H	L	P	I	Tm	Sg.
Fairview	50°	-22°	0.8	123	15°		Macleod	55°	-10°	1.2			
Beaverlodge	53°	-21°	1.2	172	16°	18	Waterton Park			2.0			
High Prairie	57°	-31°	0.9				Cowley			1.1			
Grouard	49°	-35°	1.0				Coleman			1.2			
Kinuso	52°	-30°	0.6				Beaver Mines			1.2			
Slave Lake	55°	-30°	1.4				Winnifred			0.9			
Edmonton	52°	-18°	1.7	163	21°	6	Seven Persons			1.2			
Wabamun			2.0				Telfordville			1.1			
Wetaskiwin	52°	-21°	0.9				Jenner	58°	-3°	0.6			
Sedgewick	52°	-24°	1.1				Lethbridge	57°	-12°	2.5	163	30°	
Ranfurly	45°	-25°	1.8	148			Coronation	55°	-21°	1.3			
Lacombe	53°	-22°	0.8	167			Thorsby	53°	-22°	1.4			
Hillsdown	54°	-16°	0.7				Medicine Hat			1.7	134	32°	
Olds	54°	-15°	0.7	190			Coalspur	48°	-30°	1.5			
Strathmore	55°	-9°	0.1				Exshaw	46°	-8°	1.9			
Calgary	56°	-17°	0.2	169	27°		Entrance	50°	-23°	1.2			
High River	66°	-15°	2.2				Lake Louise	36°	-26°	4.1			
Pincher Creek	50°	-6°	0.5				Rocky Mountain House	47°	-24°	0.1			

SASKATCHEWAN

Battleford	50°	-29°	1.3		17°		Rosetown			0.4			
Scott	59°	-32°	1.2	118	20°		Hubbard	47°	-28°	1.0			
Waseca	45°	-30°	1.3				Francis	58°	-12°	0.4			
Prince	43°	-22°	1.7				Strasbourg	55°	-24°	0.2			
Prince Albert	44°	-33°	0 7		15°		Qu'Appelle	57°	-22°	0.1	163	22°	
Rosthern	44°	-30°	0.9	131			Moose Jaw	67°	-14°	0.5		27°	
Melfort	44°	-25°	0.7				Indian Head	57°	-21°	0.0	129		
Saskatoon	59°	-31°	1.2				Regina	57°	-14°	0.7		17°	
Muenster	42°	-41°	0.7				Swift Current	68°	-15°	0.3	156	30°	
Biggar	62°	-18°					Midale	62°	-10°	0.3			
Kamsack	47°	-37°	0.2				Yellow Grass	66°	-10°	0.2			
Dana	47°	-38°	0.8				Carlyle	58°	-10°	0.5			
Ft. Qu'Appelle	64°	-25°	0.2				Gravelbourg	66°	0°	0.1			
Tugaske	64°	-25°	0 5				Lintlaw	45°	-30°	1.8			
Dundurn	62°	-29°	1.0				Chaplin	62°	-13°	0 1			
Outlook	64°	-19°	0.8				Caron	59°	-20°	0.5			
Davidson	60°	-16°	0.9				Shaunavon	63°	-9°				
Nokomis	55°	-24°	1.8				Aneroid	67°	-5°	0.5			
Strongfield			0.6				Leader	66°	-12°	0.4			
Grenfell	54°	-20°	0.1				Climax			1.2			
Whitewood	52°	-23°	0.6				Ceylon			0.7			
Lumsden	63°	-15°					Illerbrun			0.2			

MANITOBA

Russell	48°	-29°					Treesbank	59°	-17°	0.4			T
Dauphin	56°	-15°	0.7		14°	12	Treherne	53°	-16°	0.5			T
Birtle	53°	-26°	0.2			T	Pilot Mound			0.3			
Minnedosa	51°	-24°	0.1		17°	4	Morden	56°	-11°	0.2		22°	
Brandon	58°	-19°	0.1	154		T	Morris	45°	-12°				T
Forrest	54°	-25°	0.5				Miami			0.4			
Pierson	59°	-12°					Graysville	51°	-11°	0.4			T
Souris	57°	-18°	0.8				Winnipeg	48°	-19°	0.5	190	17°	
Ninette	50°	-18°	0.2				Sprague	50°	-25°	0.4			
Waskada	57°	-10°	0.5				Le Pas	52°	-28°	1.3	167	11°	

ONTARIO

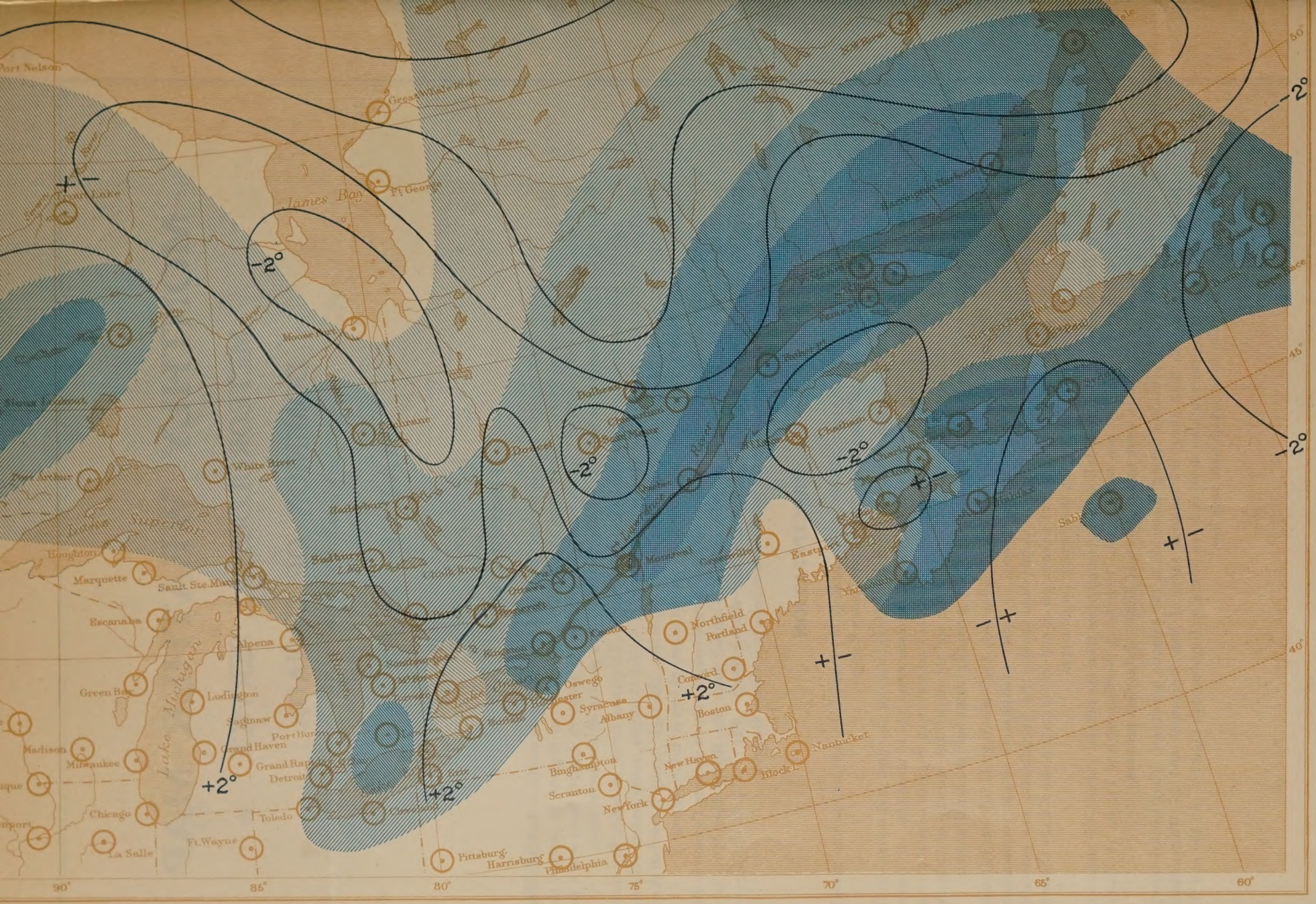
STATION	H	L	P	I	Tm	Sg.	STATION	H	L	P	I	Tm	Sg.
Kenora	45°	-20°	1.8				Woodstock	50°	5°	2.6	76	28°	T
Sioux Lookout			3.0		15°	19	Brucefield	43°	2°	1.9			0
Port Arthur	42°	-12°	1.2		22°	T	Paris	51°	7°	2.7		31°	0
Cochrane	42°	-15°	2.2	89	15°	14	Simcoe	54°	8°	3.4		31°	0
Haileybury	43°	-10°	2.2	138	19°	6	Port Dover	46°	6°	1.2		30°	
Ruel			2.3				Harrow	54°	9°	1.6	82	36°	
White River			1.4		14°	20	Toronto	50°	8°	1.8	115	32°	0
Quorn	47°	-40°	1.0			15	Bloomfield	50°	-4°	2.4			0
Parry Sound	45°	-9°	2.9		24°	T	Peterboro'	47°	-2°	2.1			T
Southampton			2.8		28°	T	Kingston	45°	2°	3.4	114	29°	0
Lucknow	51°	2°	2.2			0	Brockville	49°	1°	3.6	128	28°	0
Beatrice	44°	-20°	2.3		24°		Morrisburg	43°	1°				3
Walkerton	50°	12°	2.8		30°	0	Ottawa	48°	-3°	3.4	154	27°	2
Mount Forest	48°	-3°	2.8	62	25°	T	Ottawa (Exp. Farm)	42°	-7°	3.1	114	24°	5
Barrie	44°	-1°	2.4	82	27°	T	Renfrew	40°	-11°	3.1		21°	
Beeton	48°	0°	3.6		29°	0	Pembroke	45°	-8°	1.2		26°	
Alton	44°	0°	2.6		26°		Clontarf	50°	-9°	1.9		26°	10
London	50°	1°	3.5		30°	0							

QUEBEC

Cedars	40°	-5°	3.7			9	Maniwaki	48°	-6°	2.1		25°	10
Macdonald College	44°	-2°	4.8		24°	7	Mont Laurier	55°	-8°	3.4		24°	9
Montréal	44°	-2°	3.4	128	26°	10	St. Joachim	44°	-5°	2.2	107	22°	12
St. Hubert	42°	0°	1.0		23°	6	Donnacona	50°	-10°	4.2		21°	
Farnham	45°	-6°	2.6	130	24°	6	Québec	44°	-3°	4.0	149	22°	22
Brome	45°	-13°	3.2		23°	24	Ste. Anne de la Pocatiére	48°	1°	3.2	138	24°	2
Lennoxville	50°	-15°	4.2	135	22°		Roberval	38°	-18°	3.0		15°	13
Sherbrooke	46°	-6°	3.7	139	24°	T	Albanel	44°	-20°	1.3	175		24
Beauceville	43°	-15°	3.1		20°	4	La Ferme	48°	-28°	1.7	114	14°	
Sorel	50°	-4°	4.3		22°	12	Abitibi	44°	-16°	0.9		15°	26
Lake Mégantic	46°	-9°	2.6		21°	8	Doucet			2.8	168	14°	34
Drummondville	47°	-12°	3.0		20°	3	Sanmaur	46°	-30°	2.5	105	15°	26
Nicolet	43°	-5°	4.3		22°	18	Dolbeau			3.0		16°	
St. Lin des Laurentides	55°	-5°	2.6		25°	18	Father Point			5.3		21°	36
St. Gabriel de Brandon	44°	-12°	4.1			18	Fame Point	36°	2°	7.1		22°	30
Joliette	49°	-2°	2 2				St. Paul Island			2.9		24°	
Huberdeau	45°	-6°	1.6		22°	T	Harrington Harb'r			4.2		18°	48

ATLANTIC PROVINCES

Saint John	46°	4°	3.3	136	28°		Sussex	46°	2°	2.5		27°	
Aroostook	44°	-19°	2.3		19°	16	Woodstock	50°	-9°	1.5		24°	2
Bathurst	39°	-5°	2.1		20°	24	Halifax	41°	7°	5.3		30°	4
Chatham	40°	-10°	2.6		21°	13	Digby	40°	5°	2.8		30°	
Chipman	46°	-9°	2.6		23°		Kentville (Experimental Farm)	42°	6°	4.6	95	27°	
Fredericton	46°	-1°	1.5	132	24°	4	Liverpool	45°	7°	6.6		30°	
Fredericton (Experimental Farm)	47°	-1°	2.0	134	25°	T	Nappan	40°	2°	4.5	114	25°	
Gagetown	43°	2°	3.3		26°	4	Sydney	43°	5°	5.9		27°	12
Grand Falls	44°	-13°	2.1		19°	20	Truro	42°	-1°	4.2		27°	
Harvey	44°	-1°	1.9		23°	8	Upper Stewiacke	43°	5°	2.2		27°	5
Moncton	41°	-2°	5.0		23°		Wolfville	42°	8°	4.3	104	28°	3
Musquash	46°	2°	3.8				Yarmouth	46°	13°	6.0		31°	
McAdam Junction	45°	0°	2.5		24°		Charlottetown	42°	2°	4.2		25°	10
Richibucto	42°	-5°	3.7		21°	24							


Port Nelson
James Bay
Ft George
Lake Superior
Houghton
Marquette
Sault Ste Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Grand Rapids
Detroit
Chicago
Toledo
La Salle
Ft Wayne
Lake Michigan
Oswego
Rochester
Syracuse
Albany
Binghampton
Scranton
New York
Pittsburg
Harrisburg
Philadelphia
Northfield
Portland
Concord
Boston
New Haven
Block I
Nantucket
Eastport
+2°
−2°
+ −
− +
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

E, DOMINION OF CANADA.

R MAP

1933

mperature, and total precipitation of the month.

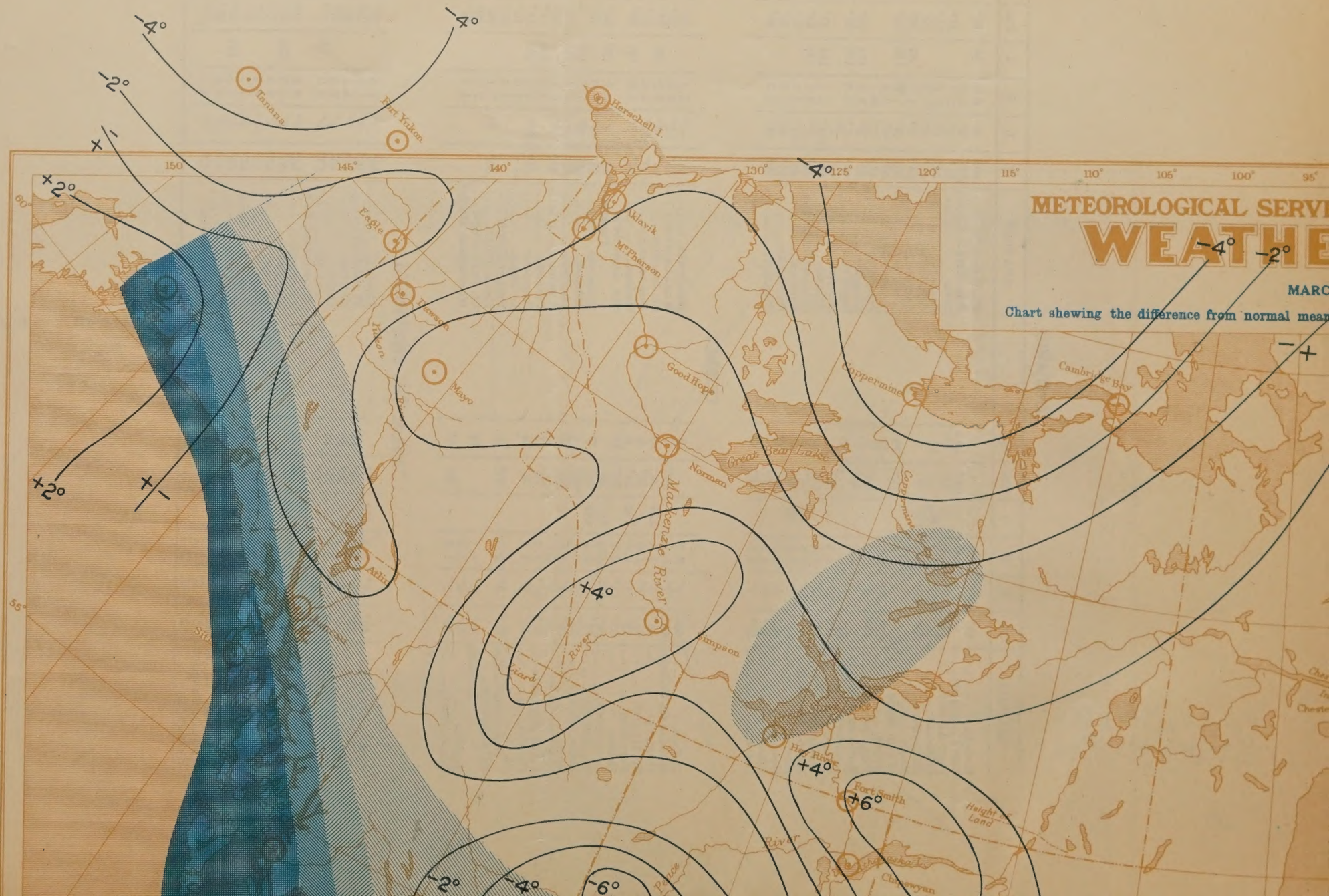
Ellesmere Island
Pond Inlet
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
Godhaven
Angmagssalik
+6°
+4°
+2°
+8°
+/−
−2°
Frobisher
Nottingham I.
Cape Wolstenholme
Resolution
Burwell
Port Harrison
Great Whale R.
Moose Factory
Fort George
Grand Lake
Lake Timiskaming
Lake Nipissing
Georgian Bay
Lake Ontario
Lake Erie
Lake Michigan
Lake Superior
Lake Winnipeg
Lake Manitoba
Lake Athabaska
Great Slave Lake
Great Bear Lake
Lake Winnipegosis
Lake of the Woods
Lake Nipigon
Lake St. Clair
Lake St. John
Lake Mistassini
Lake Abitibi
Lake Temiscamingue
Lake Kamouraska
Lake Champlain
Lake Memphremagog
Lake Kootenay
Lake Okanagan
Lake Shuswap
Lake Chilcotin
Lake Babine
Lake Stuart
Lake Quesnel
Lake Williston
Lake Manicouagan
Lake Mistassibi
Lake Peribonka
Lake Kenogami
Lake Chibougamau
Lake Waswanipi
Lake Matagami
Lake Opasatika
Lake Kesagami
Lake Abitibi
Lake Timiskaming
Lake Nipissing
Lake Simcoe

REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches


METEOROLOGICAL SERVI
WEATHE
MARC
Chart shewing the difference from normal mean
−4°
−2°
+/−
+2°
+4°
+6°
−6°
Herschell I.
Fort Yukon
Eagle
Aklavik
McPherson
Good Hope
Mayo
Norman
Peppermint
Cambridge Bay
Mackenzie River
Simpson
Fort Smith
Height of Land
Chipewyan
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°

LIBRARY
APR 23 1938
WEATHER BUREAU

167